/\* Program to print Even Series up to the given range \*/

import java.lang.\*;

import java.util.\*;

public class EvenSeries

{

 public static void main(String a[])

 {

 Scanner sc = new Scanner(System.in);

 int range;

 System.out.print("Enter the Range : ");

 range = sc.nextInt();

 for(int i=1;i<=range;i++)

 {

 int r;

 r = i % 2;

 if(r == 0)

 {

 System.out.println(i);

 }

 }

 }

}

/\* Program for factorial of a given number \*/

import java.lang.\*;

import java.util.\*;

public class Factorial

{

 public static void main(String a[])

 {

 Scanner sc = new Scanner(System.in);

 int num,res = 1;

 System.out.print("Enter the Number : ");

 num = sc.nextInt();

 for(int i = 1;i <= num; i++)

 {

 res = res \* i;

 }

 System.out.print("Factorial of "+num+" is "+res);

 }

}

/\* program to search for specific element in the list of array elements \*/

import java.lang.\*;

import java.util.\*;

public class Search

{

 public static void main(String a[])

 {

 Scanner sc = new Scanner(System.in);

 int[] slist = {100,132,143,439,234};

 int flag = 0;

 System.out.println("U entered the list as ");

 for(int i=0;i<5;i++)

 {

 System.out.println(slist[i]);

 }

 System.out.println("Search for : ");

 int sele = sc.nextInt();

 for(int i=0;i<5;i++)

 {

 if(slist[i] == sele)

 {

 flag = 1;

 break;

 }

 }

 if(flag == 1)

 {

 System.out.println("Element Found ");

 }

 else

 {

 System.out.println("Element Not Found ");

 }

 }

}

/\* program to calculate simple interest and display a monthly EMI slip \*/

import java.lang.\*;

import java.util.\*;

public class SimpleInterest

{

 public static void main(String a[])

 {

 Scanner sc = new Scanner(System.in);

 float si;

 float p;

 int t =12;

 float r = 3.5f;

 System.out.print("How much money u need : ");

 p = sc.nextFloat();

 si = (p\*t\*r)/100;

 System.out.println("\n\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

 System.out.println("\*\*\*\*\*\*\*\*\*\* EMI Receipt \*\*\*\*\*\*\*\*");

 System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

 System.out.println("Interest : "+si);

 float emi = (p + si)/t;

 System.out.println("U should pay monthly : "+emi);

 System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

 }

}

/\* program to print a employee pay slip \*/

import java.lang.\*;

import java.util.\*;

class Employee

{

 int eno;

 String ename;

 float bsal,bonus,totsal;

 String cname;

 Employee() // def constructor

 {

 cname = "JJU";

 }

 Employee(int a,String p1,float y) // par costructor

 {

 this();

 eno = a;

 ename = p1;

 bsal = y;

 }

 void addBonus(float x)

 {

 bonus = x;

 }

 void printPaySlip()

 {

 totsal = bsal + bonus;

 System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Pay Slip \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

 System.out.println("Name : "+ename+"\t\t"+"Eno : "+eno);

 System.out.println("Basic : "+bsal+"\t\t"+"Bonus : "+bonus);

 System.out.println("TOTAL SAL : "+totsal);

 System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"+cname+"\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

 }

}

public class TestEmp

{

 public static void main(String a[])

 {

 Employee e1 = new Employee(101,"Pradeep",20000f);

 e1.printPaySlip();

 Employee e2 = new Employee(102,"Naveen",10000f);

 e2.addBonus(1000f);

 e2.printPaySlip();

 }

}

/\* program to print a pattern using java loops \*/

import java.lang.\*;

import java.util.\*;

class Pattern

{

 char ch;

 Pattern(char c)

 {

 ch = c;

 }

 void print()

 {

 for(int r=0;r<10;r++)

 {

 for(int c=0;c<r;c++)

 {

 System.out.print(ch);

 }

 System.out.print("\n");

 }

 }

}

public class TestPattern

{

 public static void main(String arg[])

 {

 Pattern x = new Pattern('@');

 x.print();

 }

}